experience encompassing community health and psychiatric mental health settings. It must be taken concurrently with NRSG 418. The roles and activities of the nurse will vary depending on the agency and population served.

NRSG 419  SYNTHESIS PRACTICUM (3)  Prerequisites: NRSG 412, 418/418L, 420, 428/428L (B- or better); corequisite: NRSG 410 (B- or better); corequisite or prerequisite: NRSG 402 (B- or better). This course emphasizes the synthesis and application of concepts, principles, and skills learned in prerequisite nursing courses. Students are given the opportunity to have intensive clinical experiences in selected clinical settings. Clinical experience is directed by faculty and supervised by clinical preceptors in a variety of settings.

NRSG 428  CARE OF ADULTS WITH COMPLEX ILLNESSES (3)  Prerequisites: NRSG 335/335L, 336/336L, 342/342L (B- or better). This course prepares students to provide care to adults with moderate to severe alterations in health. Critical thinking is incorporated into written and verbal communications as students synthesize knowledge and integrate a variety of nursing skills.

NRSG 428L  CARE OF ADULTS WITH COMPLEX ILLNESSES LAB (2)  Six-hour clinical laboratory must be taken concurrently with NRSG 428.

PHILOSOPHY COURSES (PHIL)

PHIL 200W  INTRODUCTION TO PHILOSOPHY [Writing Enriched] (3)  Corequisites or prerequisites: ENGL 111W-112W or ENGL 223W. This course examines traditional philosophy problems with readings from major works in the history of Western philosophy. The basic principle of logic and major approaches to ethical decision-making are important parts of the course.

PHIL 201  INTRODUCTION TO LOGIC (3)  This beginning course focuses on aspects of valid and invalid reasoning. Topics include definition, fallacious argumentation, the various uses to which language may be put, and elementary deduction.

PHIL 204  INTRODUCTION TO ETHICS (3)  This course introduces moral philosophy and several applications to the problems of present-day living.

PHIL 214W  GREEK PHILOSOPHY [Writing Enriched] (3)  Prerequisites: ENGL 111W-112W or ENGL 223W, and PHIL 200W or 204. This introduction to Greek philosophy focuses primarily on Plato and Aristotle.

PHIL 215  MEDIEVAL PHILOSOPHY (3)  Prerequisite: PHIL 200W or 204. Philosophical themes of the Middle Ages are related to the Neoplatonic and Aristotelian traditions as they influenced major thinkers of the period. Topics include wisdom as the goal of inquiry; the relation between faith and reason; the existence of God; the nature of humanity; and the immortality of the soul.

PHIL 216  MODERN EUROPEAN PHILOSOPHERS (3)  Prerequisite: PHIL 200W or 204. This study of seventeenth- and eighteenth-century European philosophers includes Descartes, Locke, Berkeley, Hume, and Kant.

PHIL 217  CLASSIC AMERICAN PHILOSOPHERS (3)  Prerequisite: PHIL 200W or 204. This course is an analysis of the philosophy writings of major American philosophers from the Pragmatic and Idealistic schools including Charles Sanders Peirce, William James, and John Dewey.

PHIL 220  ART, TRUTH, AND VALUE (3)  Prerequisite: PHIL 200W or 204. An introduction to the philosophy of the fine arts, this course includes an examination of various definitions of art, discussions of the value of art to society, and an analysis of emotions found in the esthetic experience.

PHIL 221  MEANING AND EXISTENCE (3)  Prerequisite: PHIL 200W or 204. This course examines the existential nature of human beings as they encounter and search for meaning in existence. Topics for discussion include such existential themes as authenticity, guilt, personal freedom, and the meaning of death. Course readings include the writings of theistic and atheistic existentialists.

PHIL 222W  GOD, FAITH, AND EVIL (3)  Prerequisites: ENGL 111W-112W or ENGL 223W, and
PHIL 223  ETHICAL ISSUES IN BUSINESS (3) Prerequisite: PHIL 200W or 204. This course examines moral issues related to business, including conflicts of interest, the social responsibility of corporations, affirmative action, and preferential treatment.

PHIL 224  ETHICAL ISSUES IN MEDICINE (3) Prerequisite: PHIL 200W or 204. This course examines moral issues related to the areas of health care such as informed consent, abortion, physician-patient relationship, and the just distribution of health care.

PHIL 225  ENVIRONMENTAL ETHICS (3) Prerequisite: PHIL 200W or 204. An introduction to ethical issues and approaches concerning environmental studies. Topics to be addressed include the application of moral theory to various significant environmental issues, ethical treatment of animals, private ownership versus the common good, public policy and environmental concerns, and justice to current and future generations of humans.

PHIL 305  PHILOSOPHY OF SCIENCE (3) Prerequisite: PHIL 200W or 204. This introduction to the philosophy of science includes a study of the concepts of the empirical sciences, their methods and procedures, and their philosophical implications.

PHIL 306  KNOWLEDGE AND REALITY (3) Prerequisite: PHIL 200W or 204. This examination of the nature of knowledge places emphasis on the distinction between knowledge and belief, different types of knowing, the problem of skepticism, the role of perception in knowledge, and the nature of truth.

PHIL 313  SYMBOLIC LOGIC (3) Prerequisite: PHIL 200W or 204. This beginning course in symbolic formal logic introduces students to the formalization of arguments and the formal nature of deduction.

PHIL 314W  THE MIND AND BRAIN [Writing Enriched] (3) Prerequisites: ENGL 111W-112W or ENGL 223W, and PHIL 200 or 204. This course is an examination of various theories of what the mind is and its relation to the body. Concepts such as consciousness, belief, sensation, perception, and desire are discussed.

PHIL 315W  THE PHILOSOPHY OF LAW [Writing Enriched] (3) Prerequisites: ENGL 111W-112W or ENGL 223W, and PHIL 200W or 204. This course is an examination of various theories of what a legal system is. Attention is given to a number of related issues including the role of morality in the formation of a legal system, legal justice, the proper limits of state authority over an individual citizen’s autonomy, and theories of punishment.

PHIL 330W  LAW ENFORCEMENT AND MORALITY (3) Prerequisites: ENGL 111W-112W or ENGL 223W, and PHIL 200W or 204. This course focuses primarily on the philosophical issues inherent in law enforcement. Included are different views of the justification of the state’s power to coerce, the duty to enforce unjust laws, rights against the state and the limits of those rights, victimless crimes, strict liability, types of punishment, fairness and proportionality in the application of punishment, and the bearing of developments in medical and psychological sciences on the notion of criminality.

PHIL 377  STUDY ABROAD (3) Prerequisite: Consent of instructor. This course provides students with the opportunity to study individual philosophers and various philosophical traditions in foreign settings.

PHIL 387  DOMESTIC STUDY AWAY (3) Domestic Study Away is a parallel experience to study abroad as an experiential learning opportunity that allows students to earn academic credits toward the completion of a degree in an off-campus location using domestic destinations around the United States. Study away programs expose students to diverse perspectives and multiple modes of inquiry in ways not ordinarily achieved in a classroom setting.

PHIL 397  INDEPENDENT STUDY IN PHILOSOPHY (1-3) Prerequisites: Approval of faculty sponsor and school dean; junior or senior standing. This course provides students the opportunity to pursue individual study of topics not covered in other available courses. The area for investigation is developed in consultation with a faculty sponsor and credit is dependent on the nature of the work. May be repeated for no more than six credits.
PHIL 398     SPECIAL TOPICS IN PHILOSOPHY (1-3) [credit depends on topic]  
Prerequisite:  
A background of work in the discipline. This course will focus on an aspect of the discipline not otherwise covered by the regularly offered courses. The topic will vary according to professor and term; consequently, more than one may be taken by a student during his/her matriculation.

PHIL 400W    THESIS GUIDANCE (3) [Writing Enriched]  
Prerequisites: ENGL 111W-112W or ENGL 223W, PHIL 200 or 204, and senior standing. Supervision of senior thesis. Topic to be decided by student with approval of advisor.

PHYSICS COURSES (PHYS)

PHYS 131    PHYSICS OF SPORTS (4)  
The main goal of the course is to learn how to apply basic physics to the sports world. Learning how a scientist models the real world and conceptual understanding will be emphasized more than rigorous mathematical derivations. Project development will occupy the majority of the laboratory portion of the course. A proficiency in algebra and trigonometry is required to be successful in this course.

PHYS 141    COLLEGE PHYSICS I (4)  
Three hours lecture and two hours laboratory. Designed for students majoring in the natural sciences, this course will cover classical mechanics, properties of matter, waves, sound, and thermodynamics. A proficiency in algebra and trigonometry is required to be successful in this course.

PHYS 142    COLLEGE PHYSICS II (4)  
Prerequisite: PHYS 141 or 161. Three hours lecture and two hours laboratory. Designed for students majoring in the natural sciences, this course will cover electricity, magnetism, optics, and modern physics. A proficiency in algebra and trigonometry is required to be successful in this course.

PHYS 161    PHYSICS I (4)  
Prerequisite: MATH 103 or concurrent enrollment in MATH 103. Three hours lecture and two hours laboratory. This course is a calculus-based survey of classical physics, providing a background for persons who intend to use physics as a base for the physics major or for other science disciplines. The first semester introduces students to Newton’s laws including their application to statics and dynamics; to momentum and energy and their respective conservation principles; to rotational and angular quantities; and to oscillations, waves, and fluids.

PHYS 162    PHYSICS II (4)  
Prerequisite: MATH 103, 104 (or concurrent enrollment in MATH 104), PHYS 141 or 161. Three hour lecture and two hours laboratory. This continuation of a calculus-based survey of classical physics introduces students to basic electromagnetic theory and optics.

PHYS 181    ASTRONOMY: THE SOLAR SYSTEM (4)  
Three hours lecture and two hours lab.  
Basic overview of the properties of the planets, satellites, and minor members of the solar system. No prior experience in astronomy is required. Course meets the general education laboratory science requirement.

PHYS 182    ASTRONOMY: THE UNIVERSE (4)  
Three hours lecture and two hours lab.  
Basic overview of current knowledge about the universe beyond the solar system. No prior experience in astronomy is required; course meets the general education laboratory science requirement.

PHYS 211    PHYSICS III (4)  
Prerequisite: MATH 211 (or concurrent enrollment in MATH 211) and PHYS 162. Three hours lecture and three hours laboratory. Topics include thermodynamics and what is called traditionally “modern physics.” This latter topic is a study of twentieth century developments in physics including an introduction to condensed matter physics, relativity, atomic physics, radioactivity, wave-particle duality, and nuclear processes. Symbolic mathematical software is also introduced.

PHYS 302    PHYSICS IV (4)  
Prerequisites: MATH 211, PHYS 211. Corequisite: MATH 301. Three hours lecture and three hours laboratory. This course prepares physics majors for the study of physics at the intermediate and advanced levels. We introduce and develop the following: new mathematical methods of physics, computational techniques, laboratory skills, and scientific writing. The aforementioned skills will be developed in the course theme of vibrations and waves, a topic that touches every area of science and one that is seen again and again in physics.